

### Amendments to the Claims

Please amend claims 1 & 13-15 and add claim 18 as set forth below. The changes in the amended claims are shown by strikethrough (for deleted matter) or underlining (for added matter).

- SUB C27
1. (Currently Amended) A method for managing a hierarchical file system comprising:
- providing transaction program means arranged for a cooperation with said hierarchical file system and with one or more managers, said transaction program means implementing transactional functionality to effectuate consistent transactional changes to one or more files of said hierarchical file system and to one or more resources managed by said one or more managers, wherein the one or more resources managed by said one or more managers are related to the one or more files of said hierarchical file system. ~~wherein said hierarchical file system supports multiple file formats.~~
2. (Original) The method according to claim 1 in which said transaction program means implements a commit and/or rollback facility.
3. (Original) The method according to claim 1 in which said transaction program means is arranged for communicating with said file system via a protocol directed to cover changes made to said file system.
4. (Original) The method according to claim 3 in which said protocol is XD SM or is derivable from XD SM, or comprises XD SM-equivalent functions.
5. (Original) A method for managing a file system comprising using transaction program means according to claim 4 implemented for a cooperation with said file system.

6. (Original) A computer system being able to access a file system which is manageable by transaction program means according to a method of claim 4.

7. (Original) A computer program for execution in a data processing system comprising computer program code portions for performing the steps of the method of claim 4.

8. (Original) A computer program product stored on a computer usable medium comprising computer readable program means for causing a computer to perform the method of claim 4.

9. (Original) The method according to claim 1 in which said transaction program means is implemented as a stacked file system.

10. (Original) The method according to claim 1 in which said transaction program means is implemented in the file system itself.

11. (Original) The method according to claim 1 in which said transaction program means processes commands issued by transaction manager means arranged for cooperating with a database management system.

12. (Original) A method for managing a file system comprising using transaction program means according to claim 1 implemented for a cooperation with said file system.

13. (Currently Amended) A computer system being able to access a hierarchical file system which is manageable by transaction program means according to a method of managing a hierarchical file system comprising:

providing transaction program means arranged for a cooperation with said hierarchical file system and with one or more managers, said transaction program means implementing transactional functionality to effectuate consistent transactional changes to one or more files of said hierarchical file system and to one or more resources managed by said one or more managers, wherein the one or more resources

managed by the one or more managers are related to the one or more files of said hierarchical file system., wherein said hierarchical file system supports multiple file formats.

14. (Currently Amended) A computer program for execution in a data processing system comprising computer program code portions for performing the steps of providing transaction program means arranged for a cooperation with a hierarchical file system and with one or more managers, said transaction program means implementing transactional functionality to effectuate consistent transactional changes to one or more files of said hierarchical file system and to one or more resources managed by said one or more managers, wherein the one or more resources managed by said one or more managers are related to the one or more files of said hierarchical file system., wherein said hierarchical file system supports multiple file formats.

15. (Currently Amended) A computer program product stored on a computer usable medium comprising computer readable program means for causing a computer to perform the method of managing a hierarchical file system comprising:

providing transaction program means arranged for a cooperation with said hierarchical file system and with one or more managers, said transaction program means implementing transactional functionality to effectuate consistent transactional changes to one or more files of said hierarchical file system and to one or more resources managed by said one or more managers, wherein the one or more resources managed by said one or more managers are related to the one or more files of said hierarchical file system., wherein said hierarchical file system supports multiple file formats.

16. (Previously Presented) The method for managing a hierarchical file system of claim 1 wherein the files have different file formats.

17. (Previously Presented) The method for managing a hierarchical file system of claim 1 wherein the transaction program means implements transactional functionality to

effectuate changes to files of said hierarchical file system notwithstanding that said files have unknown file formats.

18. (New) The method for managing a hierarchical file system of claim 1 wherein the one or more resources managed by the one or more managers comprises data in a database.

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